Microwave Update 2004 Harvey Hotel Dallas,Texas October 14, 15, 16, 2004

Technical Program

Thursday Oct 14

8:00 AM	Surplus tour begins from hotel parking lot with tour guides and maps. Arrive back at hotel by 5 PM or so Coordinator – Kent Britain WA5VJB
7:00 to 8:00 PM	Registration – WA5JAT, AF8Z, WA5TKU, W5LUA – near Trinity IV conference room
8:00 PM till Midnite	Down East Microwave Hospitality Suite

Friday Oct 15

Morning session	Trinity IV Conference Room
7:30 to 9:00 AM	Registration in hallway near meeting room Trinity IV – WA5JAT and AF8Z
8:00 AM to Noon	Demonstration of Software Defined Radios developed by FlexRadio Systems demonstrated by Bob McGwier N4HY
8:00 AM to Noon	Noise Figure / Spectrum Analyzer / Network Analyzer / Phase Noise Test Equipment Workshop WA8RJF, W5LUA, WW2R, N2CEI, WA5YWC
8:00 AM to Noon	Reflock Workshop by K0VXM, WA5TKU, WW2R, N5PYK
8:00 AM to Noon	Antenna Gain Measurements from 902 MHz to 47 GHz by Kent Britain WA5VJB – Parking lot behind hotel
Afternoon Session	Moderator - Chuck Clark AF8Z
1:00 to 1:05 PM	Welcome by AI Ward W5LUA and Bob Gormley WA5YWC and Kent Britain WA5VJB
1:05 to 1:45 PM	Microwaving in the UK by Peter Day G3PHO

1:45 to 2:30 PM	ARRL Forum to discuss the regulatory environment as it applies to the microwave bands by Joel Harrison W5ZN, Dave Sumner K1ZZ and Chris Imlay W3KD
2:30 to 2:45 PM	Break
2:45 to 3:15 PM 3:15 to 3:45 PM	Joining the fun on 1296 EME by Jay Liebman K5JL Building beam lead diode multipliers for 80 and 120 GHz by Will Jensby W0EOM
3:45 to 4:30PM 4:30 to 5:15 PM	Millimeter-wave LO references & phase noise considerations by Brian Justin WA1ZMS SSETI Express satellite mode S data and voice transmitter by Sam Jewell G4DDK
5:15 to 7:00 PM	Dinner break
7:00 PM to Midnite	Fleamarket and Bullsession
9:00 PM to Midnite	North Texas Microwave Society & Roadrunner Microwave Group Hospitality Suite

Saturday Oct 16

Morning Session	Moderator – Bob Gormley WA5YWC
7:30 to 9:00 AM	Registration in hallway near meeting room Trinity IV – WA5JAT and WA5TKU
8:00 to 8:30 AM	Building and using the DSP-10 as a microwave IF by Dave Robinson WW2R
8:30 to 9:00 AM	Using WR-28 waveguide at 47 GHz by Barry Malowanchuk VE4MA
9:00 to 9:45 AM	Writing code for DDS and PLL chips for microwave synthesizers by John Miles KE5FX
9:45 to 10:00 AM	Break
10:00 to 10:30 AM	A 10 GHz linear translator by Gary Lauterbach AD6FP
10:30 to 11:00 AM	Introduction to 802.11 HSMM (High Speed Multi Media) by John Beadles N5OOM
11:00 to 11:30 AM	Multi-band microwave operation at K4TO by Dave Sublette K4TO
11:30 to Noon	Experiences with the CT1DMK reflock board by Wes Atchison WA5TKU
Noon to 1:00 PM	Lunch break

Afternoon Session	Moderator – Craig Young KA5BOU
1:00 to 1:30 PM 1:30 to 2:15 PM 2:15 to 3:00 PM	Contest operation at K8GP by Gene Zimmerman W3ZZ Multiple- Reflector dishes and feeds by Paul Wade W1GHZ Tropospheric enhancement VHF and Up by Joe Jurecka N5PYK
3:00 to 3:30 PM	Break and Auction by Kent Britain WA5VJB
3:30 to 4:00 PM	Update on microwave capabilities of AMSAT's newest and future satellites by Keith Pugh W5IU
4:00 to 4:30 PM	Extra-terrestrial LASER communication by Paul Perryman WA5WCP
4:30 to 5:00 PM	Microwave and Millimeter-wave DX Standings by AI Ward W5LUA
6:00 to 8:00 PM	Cash Bar
7:00 to 10:00 PM	Banquet – Prize Drawing

AI Ward W5LUA September 7, 2004